

Application No. 10/045,940  
Amendment Dated: April 21, 2003  
Reply to Office action of January 31, 2003

REMARKS

Claim 30 was rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art (APA) in view of the patent to Godat. The Examiner reasons that since Godat teaches that watch gear bearings should be lubricated with oil and since ozone-resistant type oil is used for lubrication, one skilled in the art would be led to lubricate APA with that oil.

It is respectfully submitted that, with hundreds of different lubricating oils available, what would motivate one skilled in the art to choose an ozone-resistant PFPE lubricant? Attached hereto is a page from the web site of Solvay Solexis. That page states that the example given in applicant's application (Fomblin Z 25) is widely used as a thin film disk lubricant in the magnetic disk drive industry to decrease the friction between the head and disk. Would not one skilled in the art be more motivated to use a watch oil, such as Moebius watch oil as shown in the attached web page of Bartlett & Co., Inc.?

The applicant proposes the use of ozone-resistant oil because of the realization that in a watch movement comprising an electric generator produces ozone through a Van de Graaf generator effect. This is not suggested by APC or Godat.

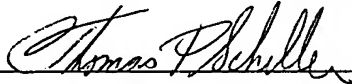
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It is believed that this application is now in condition for allowance.

In this Amendment one additional new claim has been added. A check for the \$18 additional claim fee is enclosed. If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 33952.

Respectfully submitted,  
PEARNE & GORDON LLP

By: \_\_\_\_\_



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April 21, 2003

SOLVAY SOLEXIS

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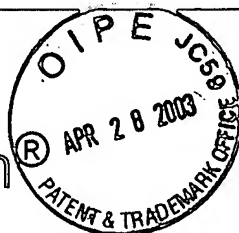
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Fomblin PFPE lubricants, oils, greases and emulsions are engineered for applications where heat, chemicals, solvents, corrosion, toxicity, flammability, compatibility, service life or ozone depletion present lubrication problems. While Fomblin lubricants can be used in their original form, they are often formulated into greases for specific applications in the chemical, electronic, military, nuclear, data processing and other industries in need of high performance lubrication.



Fomblin Y LVAC and Y HVAC grades are ideal for use in vacuum pumps as sealing fluids and working fluids. Fomblin Y HVAC fluids have been specially developed in order to combine narrow molecular weight range and controlled viscosity with an extremely low vapor pressure. Thus, they provide superior performance in high vacuum applications, especially systems exposed to aggressive gases.

Fomblin specialty lubricant grades are designed for oxygen handling and lubrication of oxygen pumps and liquid compressors.

Chemically inert Fomblin lubricating greases are recommended for applications requiring resistance to corrosive or oxidizing substances. Fomblin fluorinated fluids are excellent base oils for high temperature, high performance greases. Under extreme conditions of oxygen and humidity, it may be desirable to enhance Fomblin's performance by a rust preventative additive. Based on proprietary technology, Solvay Solexis offers a line of patented PFPE- soluble anti- wear and anti-rust additives.

Fomblin FE-20 aqueous based perfluoropolyether microemulsions represent a very effective, environmentally safe yet economical way of conveying the exceptional properties of liquid fluoropolymers to surfaces.

Fomblin Z-derivatives are widely used as thin film disk lubricants in the magnetic disk drive industry to decrease the friction between the head and disk, that is, reduce wear and therefore minimize possibility of disk failure.

If you have any questions or would like more information about this product, please complete this form.

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## LUBRICANTS and OIL

### MOEBIUS OILS and GREASES

Moebius Watch and Clock Oil has been acknowledged and acclaimed as the finest for generations. All Moebius products are developed, manufactured and tested in Switzerland. The large variety enables you to choose just the right oil or grease for your particular purpose. Natural Watch Oils, a mixture of neatsfoot and mineral oils, are satisfactory except that, after a period of time in contact with metals, they change chemically and form a gummy substance. Synthetic Oils have the same lubricating properties as natural oils, but will not change over a period of time, so they will not gum up, cause corrosion, become acidic, creep, or spread.



### NATURAL OILS

#### WATCH OIL

General purpose for chronometers and watches, all calibers up to 18L. Outstanding lubrication with minimal spreading and a low freezing point. 4 ml bottle.

No. OL 42364

#### CLOCK OIL #3

For clocks, alarm clocks and meters not directly exposed to low winter temperatures. 20 ml bottle.

No. OL 42360

#### CLOCK OIL #3A

Same as No. OL 42360 but formulated for units exposed to very low temperatures. 20 ml bottle.

No. OL 420203A

#### SYNT-A-LUBE ARCTIC

Same as No. OL 420217 except that it is effective to minus 140° F (-60° C). 2 ml bottle.

No. OL 420221

#### SYNT-A-VISCO-LUBE

Specially designed for slower moving units and larger watch movements. Ideal for lubricating the pivots of staffs, oscillating weights and other parts of automatic watches. Excellent to minus 68° F (-20° C). 2 ml bottle.

No. OL 420219

#### OIL for ESCAPEMENTS

Specifically manufactured for use on pallets. Has a higher degree of oiliness than the standard synthetic oils. 2 ml bottle.

No. OL 420233

#### LOW TEMPERATURE OIL #5

Specially designed for mechanisms exposed to extremely low temperatures to minus 95° F (-35° C). 25 ml bottle.

No. OL 420205

#### REGULAR OIL for CLOCKS

A general purpose grease well suited to the winding and setting parts of watches. Also uncoiled mainsprings, as well as for clocks clock springs. 20 ml bottle.

No. OL 42512

#### REGULAR OIL with GRAPHITE for CLO

Similar to No. OL 42512 but with graphite for use on clocks, clock mainsprings and bridge automatic watches. 20 ml bottle.

No. OL 420211

#### REGULAR OIL with MOLYBDENUM

**LARGE MOVEMENT CLOCK OIL #4**

For large clocks, tower clocks and small machines.  
Has a high viscosity and can be used in low  
temperatures to minus 68° F (-20° C).  
20 ml bottle.  
No. OL 42362

**SYNTHETIC OILS****SYNT-A-LUBE**

A general purpose synthetic watch oil, unequalled  
for pallet jewels, escapements and balance staffs.  
It can be used in place of all regular oils, and for  
small clocks and instruments exposed to low  
temperatures to minus 68° F (-20° C).

No. OL 42500 2 ml bottle

No. OL 420215 Economy size 10 ml bottle with  
applicator

No. OL 420218 Production size 50 ml bottle

**SYNT-A-FRIGO-LUBE**

Specially useful for lubricating movements which  
are exposed to the lowest winter temperatures to  
minus 104° F (-40° C). 2 ml bottle.

No. OL 420217

**ALL-PURPOSE SYNTHETIC GREASE**

For watches and clocks. 2 ml bottle.  
No. OL 420227

**SPECIAL LUBRICANTS**

Designed for mainsprings, these lubricants are  
thicker than oil but not as thick as grease.

**REGULAR**

A general purpose mainspring lubricant. Can be  
used in watches from 934 Ligne to 19 Ligne, as  
well as in alarm clocks, pendulum clocks and  
wall clocks.

No. OL 420206A 20 ml bottle

No. OL 420206 50 ml bottle

No. OL 420209 Same as the above item  
but somewhat thinner 20 ml bottle

**OIL WITH MOLYBDENUM DISULPHIDE**

Special purpose lubricant containing  
molybdenum disulphide for use on automatic  
mainsprings, to insure proper functioning of  
the bridge. 20 ml bottle.

No. OL 420207

**DISULPHIDE for CLOCKS**

A general purpose grease with molybdenum  
disulphide for use on clocks, clock mainsprings  
and bridges of automatic watches. 20 ml bottle.  
No. OL 420212

**QUARTZ OIL**

Especially designed for quartz analog watch  
particularly the rotor bearing, click wheel and  
the gear train. Non-toxic, non-spreading,  
long-lasting with good viscosity. 2 ml bottle  
No. OL 42365

**SILICON CASE SEALANT**

A heat resistant case sealant grease containing  
silicon, used for the sealing of waterproof cases  
and crowns. 10 ml bottle.

No. OL 420213

**INSTRUMENT GREASE**

A special heat and cold resistant grease for  
mechanical instruments. 10 ml bottle.

No. OL 420214

**SYNT-A-VISCO-LUBE (SPECIAL OIL)**

Used in brass bearings to prevent change of  
color. 2 ml bottle.

No. OL 420220

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